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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/764,530	01/27/2004	Masayuki Suzuki	00684.003146.1	1691
5514 75	90 06/10/2005	EXAMINER		
FITZPATRICK CELLA HARPER & SCINTO			KIM, PETER B	
• • • • • • • • • • • • • • • • • • • •	30 ROCKEFELLER PLAZA NEW YORK, NY 10112		ART UNIT	PAPER NUMBER
			2851	
		DATE MAILED: 06/10/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/764,530	SUZUKI, MASAYUKI			
Office Action Summary	Examiner	Art Unit			
	Peter B. Kim	2851			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 27 Ap	oril 2005.				
2a) This action is FINAL . 2b) ⊠ This	<u> </u>				
3) Since this application is in condition for allowar closed in accordance with the practice under E	•				
Disposition of Claims					
4) ☐ Claim(s) 11-20 is/are pending in the application 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 11-20 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.				
Application Papers					
9) The specification is objected to by the Examiner.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the o	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).			
Replacement drawing sheet(s) including the correcti 11) The oath or declaration is objected to by the Ex-		• •			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No. <u>09/790,865</u> . ed in this National Stage			
Attachment(s)					
Notice of References Cited (PTO-892)	4) Interview Summary				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) B) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	te atent Application (PTO-152)			

DETAILED ACTION

Applicant's arguments filed on Apr. 27, 2005 have been fully considered.

Information Disclosure Statement

It seems that EP 0961 149 A2 is listed as 0961 146 A2 on PTO 1449 filed on Jan. 11, 2005. Applicant is requested to submit corrected PTO 1449.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 11-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wagner et al. (Wagner) (EP 0961149).

Wagner discloses an exposure apparatus comprising a projection optical system of a catadioptric type (Fig. 1, para 0025, 0029), an optical element (LZ) disposed on a light path to adjust a symmetrical aberration (h1) of the projection optical system (col. 5, lines 15-20). Although Wagner does not disclose that the movable optical element is located in the reciprocal path, it is merely a slight constructional change, which comes within the scope of the customary practice because the skilled person is aware that transmitting twice an optical element that introduces symmetrical aberration results in a doubled aberration; hence movement of the element has an increased affect on aberration.

Claims 11-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nishi et al. (Nishi) (EP 1039509).

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Nishi discloses an exposure apparatus comprising a projection optical system of a catadioptric type (Fig. 1 and 29, para 0029, 0070, 0085, 0320), an optical element disposed on a light path to adjust a symmetrical aberration (0320) of the projection optical system. Although Nishi does not disclose that the movable optical element is located in the reciprocal path, it is merely a slight constructional change, which comes within the scope of the customary practice because the skilled person is aware that transmitting twice an optical element that introduces symmetrical aberration results in a doubled aberration; hence movement of the element has an increased affect on aberration.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970);and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 11-20 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-11 of U.S. Patent No. 6,707,532. Although the conflicting claims are not identical, they are not patentably distinct from each other because the claims of the patent and the instant application are directed to an exposure apparatus which corrects aberration of the projection optical system by moving an optical element located in the reciprocating light path of a catadioptric optical system.

Response to Arguments

Applicant's arguments with respect to claims 11-20 have been considered but are moot in

view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Peter B. Kim whose telephone number is (571) 272-2120. The

examiner can normally be reached on 8:00 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Judy Nguyen can be reached on (571) 272-2258. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Peter B. Kim

Primary Examiner

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June 4, 2005